

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI ELECTRIC CORP

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(54) TRANSMISSION POWER CONTROL SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To utilize frequencies effectively by sending reception signal strength required for its own station as an information message and allowing an opposite party station to increase/decrease transmission power in response to the content of the message so as to conduct transmission power control with a simple processing.

SOLUTION: A radio station A has a receiver performance storage section 1a to store parameters to derive a reception sensitivity of the station A or a reception sensitivity characteristic. A transmission signal processing section 2a outputs information from the storage section 1a according to a prescribed procedure and modulates and amplifies it and the result is sent from an antenna 5a. A radio equipment B uses an antenna 6b to receive and amplify the signal, and a demodulation section 8b conducts detection of the amplified signal and extraction of a base band signal. A reception signal processing section 9b conducts base band signal processing to detect a message denoting the reception performance of the radio equipment A. A power control section 10b conducts processing to convert the message into an actual transmission power control variable and a power amplifier section 4b sends a transmission power according to the control variable.

